

REMARKS

Claims 10 and 20 have been cancelled so that claims 1-9, 11-19 and 21-52 are now in the application. Claims 21-46 have been withdrawn from consideration. Claims 1, 2, 11, 12, 47, 48, 51 and 52 have been allowed.

The Examiner objected to the drawings on the basis that elements recited in claim 10 are not shown in the shown. Claim 10 has been cancelled.

The Examiner objected to claims 49 and 51 on the basis that the phrase "pinned spacer and free layers" should be changed to --pinned, spacer and free layers--. This amendment has been made as required by the Examiner. The Examiner objected to claim 51 on the basis that the phrase "the magnet recording disk service" should be changed to --the magnetic recording disk surface--. Claim 51 has been amended as required by the Examiner.

Claims 3-10, 13-19, 49 and 50 were rejected under 35 USC 112, second paragraph, as being indefinite. In each of claims 3-10 and 13-19 the phrase "longitudinal bias layer" has been changed to --first and second longitudinal bias layers-- so as to make proper reference to the first and second longitudinal bias layers in parent claims. These amendments address paragraphs 6A to 6D of the Office Action. Claim 49 has been amended to recite:

"the free layer having first and second side extensions which extend beyond said first and second side surfaces with each of the first and second side extensions has a top surface,"

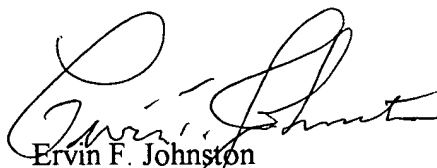
This structure is shown in Fig. 3A wherein the free layer (FL) has first and second side extensions which extend beyond the first and second side surfaces (right and left side surfaces of the sensor stack 122) with each of the first and second side extensions having a top surface. This amendment addresses the objections in paragraphs 6E and 6F of the Office Action.

The Examiner advised of the potential of double patenting between claims 19 and 20. Claim 20 has been cancelled.

Please note that the undersigned has a new telephone number which is **808-661-1197**.

Should the Examiner have any questions regarding this Amendment he is respectfully requested to contact the undersigned.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Ervin F. Johnston", written in a cursive style.

Ervin F. Johnston

Reg. No. 20,190

Telephone: 809-661-1197

Fax: 808-661-9797